



Case: DENSE-067B

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: DPAC TECHNOLOGIES, INC.)
Serial No.: 10/620,157) Art Unit: 2811
Filing Date: July 14, 2003) Examiner: UNKNOWN
For: THIN SCALE OUTLINE)
PACKAGE STACK)
_____)

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. SECTION 1.97

Mail Stop [^]DD
Assistant Commissioner for Patents
Post Office Box 1450
Alexandria, Virginia 22313-1450

Dear Sir/Madam:

Pursuant to 37 C.F.R. § 1.97, the following Information Disclosure Statement is submitted as listed on forms PTO/SB/08A and PTO/SB/08B enclosed herewith in duplicate. Copies of all disclosure documents are attached hereto for the Examiner's review.

No representation is made that the references disclosed herein legally constitute prior art, or that more relevant references are not available. The disclosure documents enclosed herewith and listed on the attached forms (PTO/SB/08A and PTO/SB/08B) are printed in the English language and/or accompanied by an Abstract published in the English language.

The references listed herein, when taken alone or in combination are not believed to disclose nor make obvious the invention as claimed in the subject application.

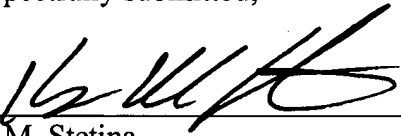
As this Information Disclosure Statement is being submitted before the stipulated three months from the filing date of the application and/or before the mailing of a first Office Action,

it is believed that no fee is required.

If a fee is required, please charge Account Number 19-4330.

Respectfully submitted,

Dated: 1/15/04

By: 

Customer No. 007663

Kit M. Stetina
Registration No. 29,445
STETINA BRUNDA GARRED & BRUCKER
75 Enterprise, Suite 250
Aliso Viejo, CA 92656
(949) 855-1246

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Substitute for form 1449A/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/620,157
			Filing Date	July 14, 2003
			First Named Inventor	Glen E. Roeters
			Art Unit	2811
			Examiner Name	unknown
			Attorney Docket Number	DENSE-067B
Sheet	3	of	8	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number- Kind Code ² (if known)			
		US- 5397916	03-14-1995	Normington	
		US- 5432678	07-11-1995	Russell et al.	
		US- 5434745	07-18-1995	Shokrgozar et al.	
		US- 5448511	09-05-1995	Paurus et al.	
		US- 5466634	11-14-1995	Beilstein, Jr. et al.	
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		US- 5481134	01-02-1996	Sobhani et al.	
		US- 5514907	05-07-1996	Moshayedi	
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		US- 5612570	03-18-1997	Eide et al.	
		US- 5625221	04-29-1997	Kim et al.	
		US- 5637536	06-20-1997	Val	
		US- 5646446	07-08-1997	Nicewaner, Jr. et al.	
		US- 5677569	10-14-1997	Choi et al.	
		US- 5700715	12-23-1997	Pasch	
		US- 5712767	01-27-1998	Koizumi	
		US- 5726492	03-10-1998	Suzuki et al.	
		US- 5731633	03-24-1998	Clayton	
		US- 5759046	06-02-1998	Ingraham et al.	

[illegible]

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		Attorney Docket Number	DENSE-067B

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		Number- Kind Code ² (if known)			
		US- 5776797	07-07-1998	Nicewaner, Jr. et al.	
		US- 5818106	10-06-1998	Kunimatsu	
		US- 5834843	11-10-1998	Mori et al.	
		US- 5857858	01-12-1999	Gorowitz et al.	
		US- 5869353	02-09-1999	Levy et al.	
		US- 5869896	02-09-1999	Baker et al.	
		US- 5926369	07-20-1999	Ingraham et al.	
		US- 5930603	07-27-1999	Tsuji et al.	
		US- 5950304	09-14-1999	Khandros et al.	
		US- 5994166	11-30-1999	Akram et al.	
		US- 6014316	01-11-2000	Eide	
		US- 6057381	05-02-2000	Ma et al.	
		US- 6172874	01-09-2001	Bartilson	
		US- 6180881	01-30-2001	Isaak	
		US- 6188127	02-13-2001	Senba et al.	
		US- 6222737	04-24-2001	Ross	
		US- 6236565	05-22-2001	Gordon	
		US- 6262895	07-17-2001	Forthun	
		US- 6269003	07-31-2001	Wen-Chen	
		US- 6323060	11-27-2001	Isaak	

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		Examiner Name	unknown		
Sheet	5	of	8	Attorney Docket Number	DENSE-067B

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		Number - Kind Code 2 (if known)			
		US- 6351029 BI	02-26-2002	Isaak	
		US- 6360433	03-26-2002	Ross	
		US- 6404043	06-11-2002	Isaak	
		US- 6426240 BI	07-30-2002	Isaak	
		US- 6426549 BI	07-30-2002	Isaak	
		US- 6437433 BI	08-20-2002	Ross	
		US- 6473308	10/29/2002	Forthun	
		US- 6472735	10-29-2002	Isaak	
		US- 6514793	02-04-2002	Isaak	
		US- 6544815	04-08-2003	Isaak	
		US- 6566746	05-20-2003	Isaak , et al.	
		US- 6573461	06-03-2003	Roeters , et al.	
		US- 6573460	06-03-2003	Roeters , et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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PTO/SB/08A (10-01)

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			First Named Inventor	Glen E. Roeters	
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			Examiner Name	unknown	
Sheet	6	of	8	Attorney Docket Number	DENSE-067B

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		Number - Kind Code ² (if known)			
		US-			
		US-			
		US-			
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		Country Code ³	-Number ⁴ -Kind Code ⁵ (if known)				
		JP	5688324	07/17/1981	M. OOkata		
		JP	59194460	11/05/1984	K. Hatada		
		JP	60194548	10/03/1985	N. Senba		
		JP	62016535	01/24/1987	H. Suzuki		
		JP	62293749	12/21/1987	Y. Sato		
		JP	1179437	07/17/1989	O. Matsuda		
		JP	1289190	11/21/1989	N. Hidekazu		
		JP	2144986	06/04/1990	T. Taketomi		
		JP	2239651	09/21/1990	I. Akima		
		JP	3255656	11/14/1991	N. Matsui		

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				Art Unit	2811
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				Attorney Docket Number	DENSE-067B
Sheet	7	of	8		

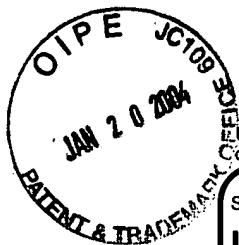
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Substitute for form 1449B/PTO		Complete if Known	
		Application Number	10/620,157
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	July 14, 2003
		First Named Inventor	Glen E. Roeters
		Group Art Unit	2811
		Examiner Name	unknown
		Attorney Docket Number	DENSE-067B
Sheet	8	of	8

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Kenneth Mason Publications, Ltd. England; "Organic Card Device Carrier"; May 1990; Number 313	
		Quadrant Technology, Inc.; "Megabyte per Cubic Inch"; May 1988	
		"Three Dimensional Packaging," Defense Science, May 1988, p. 65	
		Robert Amunroe, "Ball Grid Array Technology," EDN Products Edition, Jan 1997, pp. 23-24	
		"Stacked Surface Mount Package With Interposing Heat Sink", June 1990, p. 276, IBM Technical Disclosure Bulletin	

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(use as many sheets as necessary)

Sheet	2	of	8
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		US- 5051865	09-24-1991	Kato	
		US- 5117282	05-26-1992	Salatino	
		US- 5128831	07-07-1992	Fox et al.	
		US- 5198888	03-30-1993	Sugano et al.	
		US- 5201451	04-13-1993	Desai et al.	
		US- 5231304	07-27-1993	Solomon	
		US- 5239447	08-24-1993	Cotues et al.	
		US- 5269453	12-1-1993	Melton et al.	
		US- 5282565	02-01-1994	Melton	
		US- 5284796	02-08-1994	Nakanishi	
		US- 5311401	05-10-1994	Gates et al.	
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		US- 5375041	12-20-1994	McMahon	
		US- 5376825	12-27-1994	Tukamoto et al.	
		US- 5384689	01-24-1995	Shen	

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		US- 5700715	12-23-1997	Pasch	
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		US- 5759046	06-02-1998	Ingraham et al.	

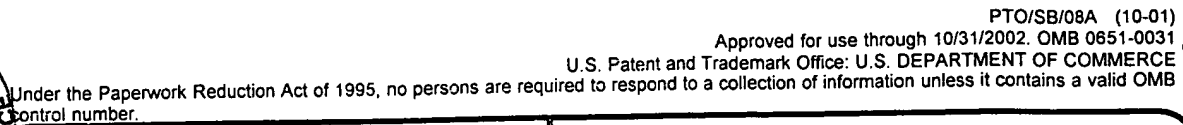
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/620,157
		Filing Date	July 14, 2003
		First Named Inventor	Glen E. Roeters
		Group Art Unit	2811
		Examiner Name	unknown
Sheet 8 of 8	Attorney Docket Number	DENSE-067B	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Kenneth Mason Publications, Ltd. England; "Organic Card Device Carrier"; May 1990; Number 313	
		Quadrant Technology, Inc.; "Megabyte per Cubic Inch"; May 1988	
		"Three Dimensional Packaging," Defense Science, May 1988, p. 65	
		Robert Amunroe, "Ball Grid Array Technology," EDN Products Edition, Jan 1997, pp. 23-24	
		"Stacked Surface Mount Package With Interposing Heat Sink", June 1990, p. 276, IBM Technical Disclosure Bulletin	

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Sheet **7** of **8****Compleat if Known**

Application Number	10/620,157
Filing Date	July 14, 2003
First Named Inventor	Glen E. Roeters
Art Unit	2811
Examiner Name	unknown
Attorney Docket Number	DENSE-067B

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
/		US-			
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		JP 4209562	07/30/1992			
		JP 6132413	05/13/1994	M. Sakuma		
		JP 677644	03/18/1994			

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